Corrosion and Wear Resistant Cladding Solution

Hot Wire GTAW Cladding Cell

- **Automated:** The Fronius FPA 9000 is an automated cladding cell which excels at cladding pipe and discs.
- **Turntable:** The fully integrated turntable has a dimensional capacity of 1m in diameter and a load capacity of 1500 kg.
- **Control:** Specialized programs can be tailored to the needs of a specific project by adjusting more than 30 parameters ranging from current and voltage to pulsing and end crater control and elimination.

Corrosion Resistant Cladding

- Typical Cladding materials such as Stainless steel 316 and Inconel 625 can easily be cladded onto any carbon or stainless steel substrate.
- Dilution control has been optimized so that less than 5% Fe is present in the 2nd layer of Inconel 625 Cladding of carbon steel.
- Welding positions allow for the cladding of both the inside and outside of pipe.
- Bore to bore cladding is possible.
- Inconel 625 cladding PQR is ASME IX & NACE MR 0175 compliant as well as DNV certified.

Wear Resistant Hardfacing

- Stellite cladding on new parts or refurbishment of service exposed parts is possible.
- Less than 5% Fe dilution is possible with as little as 2 layers of hardfacing using Stellite 6 on carbon steel.
- Welding is defect free, fast and is characterized by high levels or repeatability.
- Conforms to ASME IX and certified by DNV.